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Applicant(s): Edward J. A. Pope and Kenneth M. Kratsch

Docket No.

POPE#6(CIP)

Serial No.

09/680,828

Filing Date

October 6, 2000

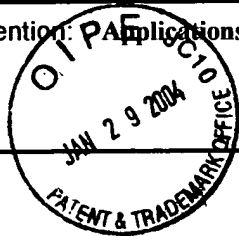
Examiner

Margaret G. Moore

Group Art Unit

1712

Invention: Applications of photocurable pre-ceramic polymers



I hereby certify that this amendment

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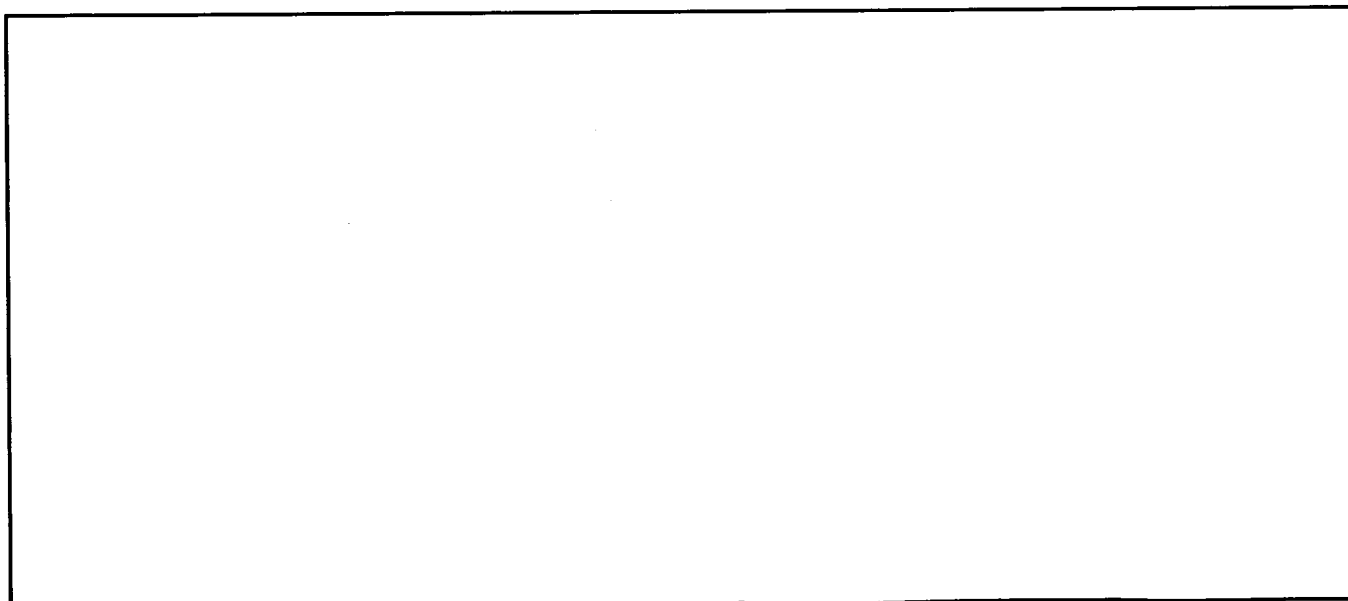
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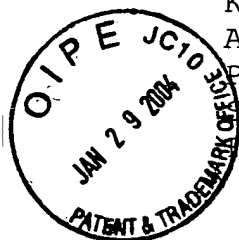

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of :
EDWARD J. A. POPE and : Margaret G. Moore
KENNETH M. KRATSCH : Examiner
APPLICATIONS OF PHOTOCURABLE :
PRE-CERAMIC POLYMERS : Group Art Unit 1712
Serial No. 09/680,828 :
Filed: October 6, 2000 :



AMENDMENT

To the Commissioner of Patents and Trademarks:

In response to an office action mailed January 16, 2004
the applicants hereby correct their amendment as follow:

Listing of claims:

Claims 1 through 48 (canceled)

49. (currently amended) A process of forming a photo-curable
pre-ceramic polymer, poly(ethynyl)-carbosilane to silicon
carbide ceramic comprising the steps of:

- a. reacting sodium acetylide with organo-chlorosilanes; and
- b. condensing [(polymerizing)] the resultant organo-
(ethynyl)chlorosilane product of step a with an excess of an
alkali metal to form a silicon carbide ceramic.

50. (new) A process of forming a photo-curable pre-ceramic
polymer, poly(ethynyl)-carbosilane to silicon carbide
ceramic comprising the steps of:

- a. reacting sodium acetylide with organo-chlorosilanes; and
- b. polymerizing (condethe resultant organo-
(ethynyl)chlorosilane product of step a with an excess of